JOB NO.	DWG NO.
1194	E-06-215

REFERENCE DRAWINGS	DWG NO.
LEGEND , GENERAL NOTES	E-06-001
GENERAL DETAILS. (SHEET 1-2)	E-06-801
GENERAL DETAILS. (SHEET 2-2)	E-06-802
LOW VOLTAGE SINGLE LINE DIAGRAM	E-06-901

LEGEND:-

SYMBOLS	DESCRIPTION
	3000mm DEEP Φ19mm CU-CLADED STEEL ELECTRODE ENDED BY EARTH PIT AND TEST CLAMP POINT (TYPICAL)
	70S4mm STANDARD SOFT DRAWING COPPER
	EARTH BAR WITH SINGLE DISCONNECTING LINK.
BC	EARTHING BRANCH CONNECTION (CAD-WELD)
	3x25mm COPPER TAPE HORIZONTAL
	PURPOSE MADE CROSS CONNECTION CLAMP .

NOTES:

1- INSTRUMENT CLEAN EARTHING SYSTEM SHALL HAVE A RESISTANCE TO EARTH NOT EXCEEDING 0.5 OHM, IF REQUIRED, ADDITIONAL ELECTRODES MAY BE PROVIDED.

2- ELECTRICAL CABLE TRAY / LADDER SHALL BE BONDED TO THE MAIN EARTHING SYSTEM AND BONDING STRAPS SHALL BE ADDED ACROSS ALL JOINTS.

3- MOTOR CONTROL STATIONS AND POWER BOXES IN NON-METALIC ENCLOSURES TO BE BONDED VIA THEIR INTERNAL STUDS.

4- LADDERS AND STAIRS FIXED TO EARTHED METALIC STRUCTURES REQUIRE NO ADDITIONAL EARTHING.

5- EARTHING CONDUCTORS SHALL BE RUN UNDER GROUND AT A MINIMUM DEPTH OF 500mm BELOW GRADE.

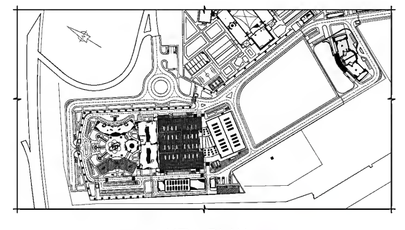
6- ALL THE EARTHING INSTALLATIONS SHALL BE DONE ACCORDING TO ADDC REGULATIONS.

7- THE LOCATIONS OF THE EARTH PITS SHALL BE COORDINATED WITH THE LANDSCAPE WORKS, PIPING WORKS, AND ALL TRADES.

8- ACCORDING TO ADDC REGULATIONS, A MINIMUM DISTANCE OF 7M SHALL BE PROVIDED BETWEEN LIGHTNING PROTECTION EARTH ELECTRODES AND THE POWER EARTH ELECTRODES.

9- POWER EARTH RESISTANCE SHALL BE MAINTAINED LESS THAN 5 OHM, IF REQUIRED,ADDITIONAL ELECTRODES MAY BE PROVIDED.

10- LIGHTNING EARTH RESISTANCE SHALL BE MAINTAINED LESS THAN 10 OHM, IF REQUIRED,ADDITIONAL ELECTRODES MAY BE PROVIDED.



KEY PLAN

CLIENT :

ADNOC
أدنوك
شركة بترول أبوظبي الوطنية

PROJ TEAM APPROVED	JOB ENG	CHK	BY	REVISIONS	DATE	REV NO.
G.F	M.F	K.S	M.N	ISSUED FOR TENDER	19/10/08	0

PROJECT :

BOROUGE INNOVATION CENTER
IN ABU DHABI
AGREEMENT NO:115984DI - PROJECT NO.5984

END USER :

بروج
Borouge

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PIPE ACADEMY BUILDING

EARTHING LAYOUT PLAN

GROUND FLOOR - PART 2

SCALE	JOB NO.	DWG NO.	REV NO.
1/100	1194	E-06-215	0

A1

FILENAME